

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method of interworking teleservice between broadband heterogeneous networks, ~~said the~~ heterogeneous networks are being connected by a call control equipment and a media interworking equipment, ~~said the~~ call control equipment [[is]] being used for signaling interworking and controlling a call ~~that spans between the heterogeneous~~ networks, ~~said the~~ media interworking equipment [[is]] being used for mapping media ~~port that spans ports of the~~ heterogeneous networks and transmitting media streaming under the control of ~~said the~~ call control equipment, ~~said the~~ method comprising:

receiving a call request coming from a caller party equipment by the call control equipment;

determining by the call control equipment whether the call request of the caller party equipment is a call ~~that spans~~ between the heterogeneous networks;

creating ~~connections~~ a connection between the media interworking equipment and the caller party equipment and a connection between the media interworking equipment and a called party equipment under the control of the call control equipment if ~~said the~~ call request is [[a]] the call that spans between the heterogeneous networks; and

transmitting media streaming by the media interworking equipment and
realizing to realize media interworking;

wherein creating the connections comprises:

creating a media port within the caller party equipment;

creating a media port that corresponds to the caller party

equipment and a media port that corresponds to the

called party equipment and establishing a mapping

between the two media ports within the media

interworking equipment; and

creating a media port within the called party equipment.

2. (Canceled).

3. (Currently Amended) The method according to claim 1, wherein, before the step of transmitting media streaming, ~~said~~ the method further ~~comprising~~ comprises:

negotiating a media capability with the called party equipment by the caller party equipment;

translating ~~the~~ a format of the media streaming by the media interworking

equipment if ~~matching of~~ the media capability of the ~~caller/called~~

caller party equipment is unsuccessful and a media capability of the

called party equipment do not match.

4. (Currently Amended) The method according to claim 3, wherein, ~~said~~ the step of translating the format of the media streaming ~~comprising~~ comprising:
recovering incoming media streaming into original media streaming; and
re-encoding and compressing the original media streaming according to
~~the needed~~ a desired format of the media streaming.
5. (Currently Amended) The method according to claim 1, wherein, ~~said~~ the call control equipment sends and receives control signaling via H.248 or MGCP protocol.
6. (Currently Amended) The method according to claim 1, wherein~~[[,]]~~ at least two
~~or more pieces of~~ call control ~~equipment~~ equipments are connected between ~~said~~
the heterogeneous networks, and each of ~~said~~ the at least two ~~or more pieces of~~
call control ~~equipment~~ equipments controls a different party equipment
~~respectively,~~ and wherein the said method further comprising comprises:
transmitting ~~[[a]]~~ the call request by the call control equipment that controls
the caller party equipment to the call control equipment that
controls the called party equipment; and
designating one ~~piece~~ of the at least two call control ~~equipment~~
equipments to control the media interworking equipment.
7. (Currently Amended) The method according to claim 6, wherein, the signaling is
transmitted between the call control ~~equipment~~ equipments via ~~session initiation~~

~~protocol~~ a Session Initiated Protocol for Telephones ~~telephones~~ or bearer-independent call control protocol a Bearer Independent Call Control Protocol.

8. (Currently Amended) The method according to claim 1, wherein[[,]] at least two ~~or more pieces of~~ media interworking equipment equipments are connected between ~~said~~ the heterogeneous networks, and each of ~~said~~ the at least two ~~or more pieces of~~ media interworking equipment equipments is connected to a different network ~~respectively~~, and wherein the ~~said~~ method further ~~comprising~~ comprises:

establishing a media connection between the media interworking equipment connected to the caller party equipment's network and the media interworking equipment connected to the called party equipment's network.

9. (Currently Amended) The method according to claim 1, wherein[[,]] one of ~~said~~ the heterogeneous networks is a H.323 network ~~and that H.323 network has~~ which includes a gate keeper and a H.323 gateway ~~therein~~; and the connection between ~~said~~ the media interworking equipment and ~~the~~ a party equipment in ~~said~~ the H.323 network is established by the call control equipment and [[by]] the gate keeper ~~that controls~~ controlling the H.323 gateway.

10. (Currently Amended) The method according to claim 1, wherein[[,]] one of ~~said~~ the heterogeneous networks is a SIP network ~~and that SIP network has~~ which

includes a SIP proxy and a SIP user agent ~~therein~~; and the connection between ~~said the~~ media interworking equipment and ~~the~~ a party equipment in ~~said the~~ SIP network is established by the call control equipment and ~~[[by]]~~ the SIP proxy ~~that~~ controls controlling the SIP user agent.

11. (Currently Amended) A system of interworking teleservice between broadband heterogeneous networks, comprising:

a ~~piece of~~ media interworking equipment which is connected between ~~said~~ the heterogeneous networks ~~for transmitting and configured to~~ transmit media streaming between ~~said the~~ heterogeneous networks; and

a ~~piece of~~ call control equipment which is connected between ~~said the~~ heterogeneous networks ~~for processing and configured to process~~ a call request ~~that spans~~ between the heterogeneous networks, ~~transmitting~~ transmit signaling, and ~~controlling said~~ control the media interworking equipment;

wherein the media interworking equipment implements teleservice interworking between the heterogeneous networks by establishing a media port that corresponds to a caller party equipment and a media port that corresponds to a called party equipment and mapping the two media ports under the control of ~~said the~~ call control equipment.

12. (Currently Amended) The system according to claim 11, wherein, ~~said~~ the media interworking equipment ~~comprising~~ comprises:

a protocol module for receiving control data from ~~said~~ the call control equipment, creating ~~said~~ the media ports, and establishing correspondence relationship of ~~said~~ the media ports; and
a media transmitting and mapping unit for transmitting the media streaming that comes into the media interworking equipment according to ~~said~~ the established correspondence relationship.

13. (Currently Amended) The system according to claim 12, wherein, ~~said~~ the media interworking equipment further ~~comprising~~ comprises:

a media translating unit for processing format translation for the media streaming when ~~the media capability~~ capabilities or ~~format at both sides does~~ formats of the caller party equipment and the called party equipment do not match.

14. (Currently Amended) The system according to claim 11, wherein, ~~said~~ the call control equipment ~~comprising~~ comprises:

a protocol adapter for receiving and sending control data and receiving the call request coming from the caller party equipment;
a call server ~~202~~ for controlling the call request ~~that spans said~~ between the heterogeneous networks.